

**AMENDMENTS TO THE CLAIMS:**

1. (Previously Presented) A single electrical conducting cable comprising:
  - (a) a conductive core having solid one-piece terminal lugs at each end, wherein said lugs comprise an oxidation resistant alloy;
  - (b) a single gas impermeable sheath comprising an oxidation resistant alloy and having an inner surface and an outer surface, the outer surface of which is hermetically sealed using a heat resistant braze to each of the terminal lugs, thereby entirely encasing the conductive core.
2. (Original) The cable of claim 1 wherein the conductive core comprises copper, nickel, aluminum, or silver, or alloys thereof.
3. (Original) The cable of claim 2 wherein the conductive core comprises copper.
4. (Previously Presented) The cable of claim 1 wherein the sheath is flexible and comprises a corrugated metal resistant to oxidation.
5. (Original) The cable of claim 4 wherein the corrugated metal comprises a stainless steel.
6. (Currently Amended) An electrical conducting cable consisting essentially of:
  - (a) a conductive core having solid one-piece terminal lugs at each end;
  - (b) a single gas impermeable sheath having an inner surface and an outer surface, the outer surface of which is hermetically sealed to each of the terminal lugs, **wherein the sheath is flexible and comprises a corrugated metal resistant to oxidation.**

7. (Original) The cable of claim 6 wherein the conductive core comprises copper, nickel, aluminum, or silver, or alloys thereof.
8. (Original) The cable of claim 7 wherein the conductive core comprises copper.
9. Cancelled
10. (Currently Amended) The cable of claim ~~[[9]]~~ 6 wherein the corrugated metal comprises a stainless steel.